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PATENTIN THE SPECIFICATION

Please delete the paragraphs on Page 6, starting at line 7 and ending at line 25, and replace therefore:

Figure 6 is an exemplary output 150 generated using modeling system 30 (shown in Figure 3Figure 1) and illustrating two-dimensional electronically modeled aircraft harness 82. In the exemplary embodiment, harness 82 is illustrated in a first orientation 152 viewed along an X-Y plane, and a second orientation 154 along a Z-X plane. In another embodiment, harness 82 may be rotated to any other orientation. In the exemplary embodiment, output 150 also includes a reference table 160 and a title box 162.

Figure 7 is an exemplary reference table 160 generated by processing system 10 (shown in Figure 1) under the control of program 30 (shown in Figure 1) and in accordance with the method shown in Figure 2Figure 3. Reference table 160 includes a plurality of data portions 163 utilized for manufacturing and inspection. More specifically, reference table data portions 153 enable a harness (not shown) to be manufactured from a two-dimensional electronically modeled aircraft engine harness, such as harness 82 (shown in Figure 6).

A length chart portion 164 provides various lengths 166 of segments 168 of harness 82 (shown in Figure 6). More specifically, length chart portion 164 provides ordinate lengths along harness cable center line 108 and each branch line 110. Harness segments segments 168 are defined using coordinate points A, B, C, D, E, F, G, H, J, K, L, M, N, and P, and branch points G and L.